

Abstract

A method of generating electrical power utilizing a gas distribution network comprised of a high pressure gas reservoir and a low pressure delivery pipeline includes the step of directing at least a portion of the high pressure gas within the reservoir through a satellite assembly to generate electrical power. The satellite assembly includes an expander and shaft, an electrical generator operatively associated with the shaft and control members for predeterminedly controlling the temperature, the pressure drop and the flow of the compressed gas entering the expander from the high pressure reservoir to the low pressure reservoir.